

COPY EXHIBIT 1a.



PLANNING DEPARTMENT

TOWN OF GRAFTON
GRAFTON MEMORIAL MUNICIPAL CENTER
30 PROVIDENCE ROAD
GRAFTON, MASSACHUSETTS 01519
(508) 839-5335 ext 1120 • FAX (508) 839-4602
planningdept@graffon-ma.gov
www.graffon-ma.gov

APPLICATION FOR SPECIAL PERMIT

Application No. SP 2019-11

APPLICANT & PROPERTY OWNER INFORMATION

NAME Paul + Janice Susi
STREET 11 Putnam Lane CITY/TOWN Grafton
STATE MA ZIP 01519 TELEPHONE 978 882-2538
NAME OF PROPERTY OWNER (if different from Applicant) _____
Deed recorded in the Worcester District Registry of Deeds Book 42465 Page 251

SITE INFORMATION:

STREET AND NUMBER 11 Putnam Lane
ZONING DISTRICT R-40 ASSESSOR'S MAP 59 LOT #(S) 55
LOT SIZE 29,482 FRONTAGE 50.85
CURRENT USE 3 Bdrm Single Family home

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JUL 15 2019

PLANNING BOARD
GRAFTON, MA

PROJECT/PLAN INFORMATION:

PLAN TITLE New construction of a single family addition with 1 Bdrm
PREPARED BY (name/address of PE/Architect) Land Planning 214 Worcester St N. Grafton
DATES May 10, 2019 01536

Use for which Special Permit is sought: (refer to § 3.2.3.1 of the Zoning Bylaw - Use Regulation Table):

Accessory Apartment (in-law apartment) (Tm. 10-16-89)

Cite all appropriate sections of the Zoning By-Law which pertain to this Application, Use and Site:

TO THE GRAFTON PLANNING BOARD:

The undersigned, being the APPLICANT named above, hereby applies for a SPECIAL PERMIT to be granted by the Planning Board and certifies that, to the best of APPLICANT'S knowledge and belief, the information contained herein is correct and complete.

Applicant's Signature Paul Susi

Date: 7/14/2019

Property Owner's Signature (if not Applicant) Janice Susi

Date: 7/14/2019

7/12/19

RE AGENT PAUL SUSI @ GMAIL.COM

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TREASURER / COLLECTOR

**PLANNING BOARD
GRAFTON, MA**

Certificate of Good Standing

Applicants seeking permits with the Town of Grafton must submit this completed form at the time of application. When all obligations are paid to date, you must attach this "Certificate of Good Standing," with your application. Delinquent bills must be paid in full before the appropriate department accepts your application. Please make arrangements to pay these outstanding bills at the Collector's Office.

Please note: it can take up to three (3) business days to process each request.

Please check all that apply and indicate if permit(s) have been issued.

Permit Issued?		Permit Issued?	
Yes	No	Yes	No
<input checked="" type="checkbox"/> Building - Inspection(s)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Septic System	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Building - Electric	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Conservation	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Building - Plumbing	<input checked="" type="checkbox"/>	<input type="checkbox"/> Planning	
<input checked="" type="checkbox"/> Board of Health	<input checked="" type="checkbox"/>	<input type="checkbox"/> Other	

Other Permit: _____

<u>Paul Susi</u> Petitioner Name	<u>Paul Susi</u> Property Owner / Applicant
<u>11 Putnam Lane, Grafton, MA 01519</u> Petitioner Address	<u>11 Putnam Lane, Grafton, MA</u> Property Address
<u>Grafton MA 01519</u> City, State, Zip	<u>Grafton, MA</u> City, State, Zip
<u>978-882-2538</u> Phone	

Date:	Current	Delinquent	N/A
Real Estate	✓		
Personal Property			✓
Motor Vehicle Excise	✓		
Disposal	✓		
General Billing			✓

Beth Schattman 6/11/19
Treasurer / Collector Signature Date

EXHIBIT 1b.

COPY

Ken O'Brien, MAA
Grafton Data Collector

ID	Site Address	Owner	Co-Owner Name	Address	Owner Cit State	Zip	Book	Page
110/059.0-0000-0012.0	18 ADAMS ROAD	ATCHUE MILTON J	ATCHUE WENDY S	18 ADAMS ROAD	GRAFTON MA	01519	15441	269
110/059.0-0000-0013.0	16 ADAMS ROAD	MARANDA JESSEE	MARANDA LAUREN	16 ADAMS ROAD	GRAFTON MA	01519	59875	376
110/059.0-0000-0015.0	14 ADAMS ROAD	PLANTE DEBORAH M		14 ADAMS ROAD	GRAFTON MA	01519	37431	368
110/059.0-0000-0016.A	12 ADAMS ROAD	MCLAUGHLIN JAMES M	MCLAUGHLIN LISA	12 ADAMS ROAD	GRAFTON MA	01519	20304	20
110/059.0-0000-0016.B	10 ADAMS ROAD	TREVELONI MICHAEL J	MICHAEL J TREVELONI REV	10 ADAMS ROAD	GRAFTON MA	01519	58167	268
110/059.0-0000-0016.C	8 ADAMS ROAD	FELICE WILLIAM J	FELICE DONNA M	8 ADAMS ROAD	GRAFTON MA	01519	54196	124
110/059.0-0000-0016.E	4 ADAMS ROAD	COLLINS BRIAN	YETSKO JULIANNA	2 ADAMS ROAD	GRAFTON MA	01519	60321	236
110/059.0-0000-0050.0	1 SIDE PUTNAM LN	GRAFTON TOWN OF	C/O BOARD OF SELECTMEN	30 PROVIDENCE RD	GRAFTON MA	01519	42930	250
110/059.0-0000-0051.0	3 PUTNAM LANE	DAMPATH ARVIND	CHIPLUNKAR RAMYA	3 PUTNAM LANE	GRAFTON MA	01519	51332	191
110/059.0-0000-0052.0	5 PUTNAM LANE	FISHER LLOYD D	DORET LEAH E	5 PUTNAM LANE	GRAFTON MA	01519	42747	8
110/059.0-0000-0053.0	7 PUTNAM LANE	PLICHON GILLES	PLICHON GERMAINE	7 PUTNAM LANE	GRAFTON MA	01519	44523	271
110/059.0-0000-0054.0	9 PUTNAM LANE	GAVIN SUZANN C		9 PUTNAM LANE	GRAFTON MA	01519	59761	366
110/059.0-0000-0055.0	11 PUTNAM LANE	GAVIN SUZANNE, SUSI PA	JANCIE T SUSI IRREVOCAB	11 PUTNAM LANE	GRAFTON MA	01519	52540	290
110/059.0-0000-0056.0	13 PUTNAM LANE	SUSI PAUL W	SUSI SUSAN C	13 PUTNAM LANE	GRAFTON MA	01519	34384	264
110/059.0-0000-0057.0	18 PUTNAM LANE	LEBOWITZ JEREMY	LEBOWITZ CAITLIN	18 PUTNAM LANE	GRAFTON MA	01519	48890	70
110/059.0-0000-0058.0	16 PUTNAM LANE	RECCHIA ROBERT W	RECCHIA JILL	16 PUTNAM LANE	GRAFTON MA	01519	48312	22
110/059.0-0000-0061.0	8 PUTNAM LANE	CONNOLLY TERRANCE J	CONNOLLY KATHLEEN FAR	10 PUTNAM LANE	GRAFTON MA	01519	50522	48
110/059.0-0000-0062.0	10 PUTNAM LANE	CONNOLLY TERRANCE J	CONNELLY KATHLEEN	10 PUTNAM LANE	GRAFTON MA	01519	43492	381
110/059.0-0000-0063.0	6 PUTNAM LANE	FREDA DOMENICK	FREDA CRISTINA	6 PUTNAM LANE	GRAFTON MA	01519	49115	237
110/059.0-0000-0064.0	4 PUTNAM LANE	KIM MIN HUN	KIM KEUM YOUNG	4 PUTNAM LANE	GRAFTON MA	01519	38232	156

EXHIBIT 1c.

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PLANNING BOARD
GRAFTON, MA

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EXHIBIT 1 d.

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JUL 15 2019

To: Grafton Planning Board
From: Paul and Janice Susi
Re: accessory apartment

PLANNING BOARD
GRAFTON, MA

July 9, 2019

It is my intent to construct a 1 story, 1 bedroom addition with 2 car garage under to my existing 3 bedroom home located at 11 Putnam Lane, Grafton. In addition, we will expand the existing septic accordingly to accomodate the 4th bedroom, already engineered and approved by the town. This addition will be used as an accesory in-law apartment for myself and my wife, our son Kenneth Susi will be buying and living in our present home. The addition will add approx 1100 square feet of living space on to the existing home which consists of 2868 square feet.

The design of the addition will be consistent with the appearance of the main house. The addition will rest on a poured concrete foundation with conventional framing, complying with all building codes and regulations. I will be connecting to my existing septic system during the stages of construction after adding the required chambers to my leaching field per the approved septic design.

All work will be performed by licensed contractors who hold the appropriate insurance and liabilty coverages. Work will be performed during normal business hours.

Thank you for your time and consideration. We are truly blessed to live with alll 3 of our children on the street and appreciate the opportunity to build an affordable home here for our future retirement.

Respectfully,



Paul & Janice Susi

11 PUTNAM LANE GRAFTON, MA 01519

- 1) Provided on the plan
- 2) Provided on the plan
- 3) Provided on the plan
- 4) Provided on the plan
- 5) Provided on the plan
- 6) Provided on the plan
- 7) N/A and not on plan
- 8) Provided on the plan
- 9) Provided on the plan
- 10) Not on plan
- 11) Not on plan
- 12) Not on plan
- 13) Provided on the plan
- 14) Provided on the plan
- 15) Not on plan
- 16) Not on plan
- 17) Not on plan
- 18) Provided on the plan
- 19) Provided on the plan
- 20) Not on plan
- 21) Not on plan
- 22) Not on plan
- 23) Not on plan
- 24) Not on plan
- 25) Not on plan
- 26) Provided on the plan
- 27) Provided on the plan
- 28) Not on plan
- 29) Not on plan
- 30) Not on plan
- 31) Provided on the plan

e) not on plan

f) not on plan

g) not on plan

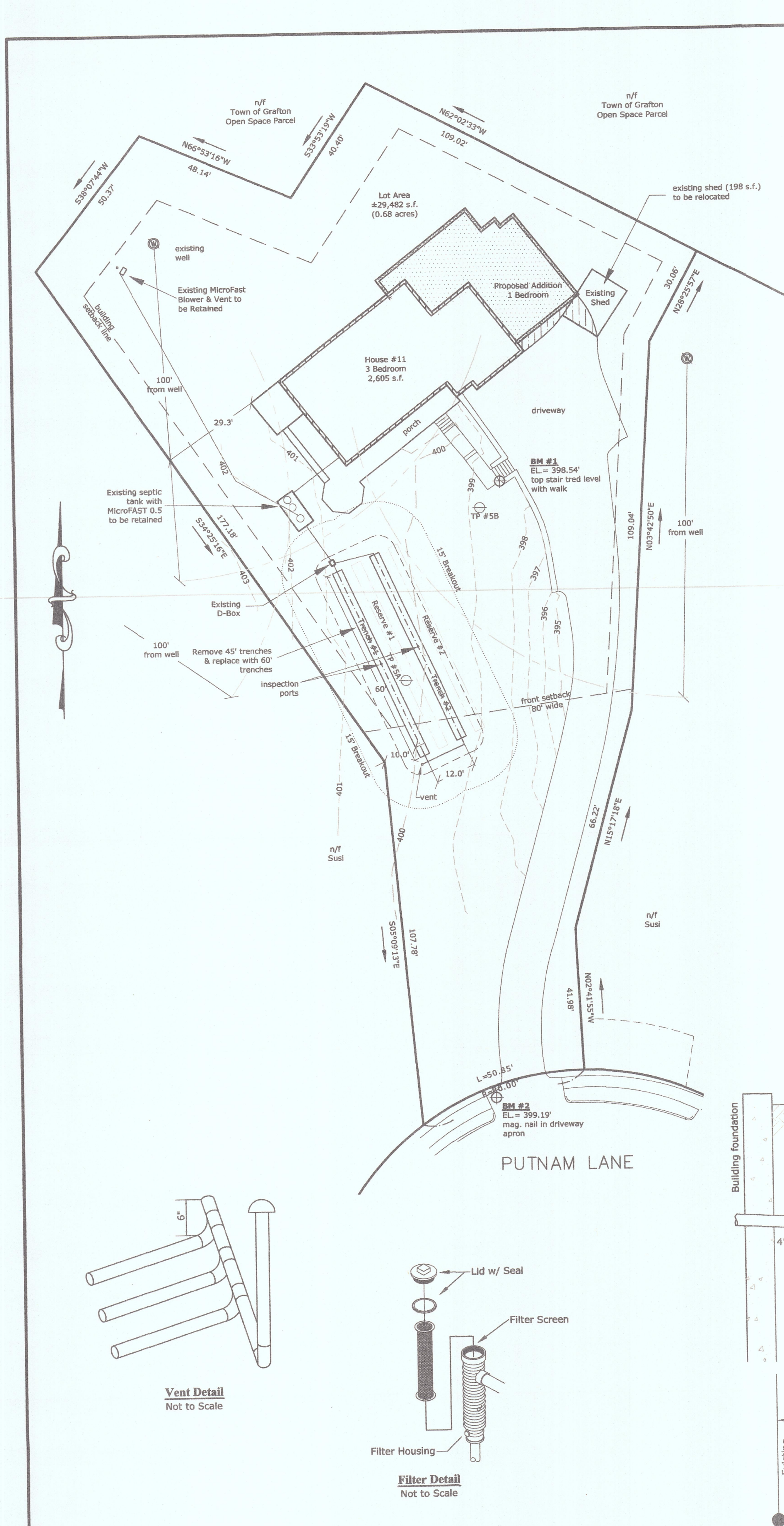
1) not on plan

2) not on plan

h) not on plan

EXHIBIT 1e.

Paul J. J. J.



SOIL TEST DATA							
DEEP HOLE OBSERVATION LOG							
Tested By: Paul F. Graszewicz P.E.			Witnessed By: T. Ryder B.O.H. Agent				
Hole #	Depth (in.)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other	
5A	0-10" 10-22" 22-90"	A Bw C	Loam Sandy Loam Sand	10 YR 5/6 2.5 Y 5/6 2.5 Y 6/3	90"		
	5B	0-9" 9-22" 22-41" 41-96"	A B Bc C	Loam Sandy Loam F. Sandy Loam Sand		10 YR 5/6 10 YR 5/6 2.5 Y 6/6 2.5 Y 6/3	96"
PERC TEST DATA				HIGH GROUNDWATER			
Perc #:	PT-1	PT-2	Standing Water:		N/A		
Depth of Perc:	24"	24"	Mottles:		N/A		
Perc Rate:	2 MPI	2 MPI	Parent Material:		N/A		
Date:	3/17/2001		Weeping Water:		N/A		
Seasonal High Ground Water:					90"		
Ground Water Elevation at Test Pit 5A:					390.50'		

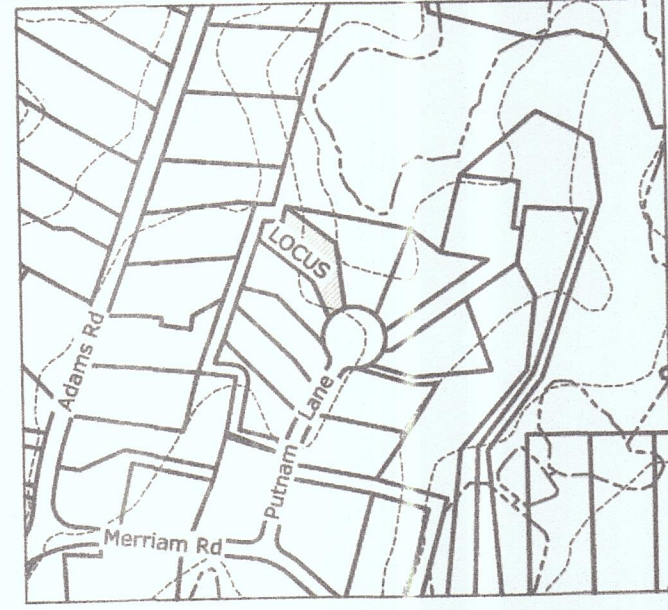
Schedule of Elevations from Asbuilt 2004				
Component	Model	Elevation	Diameter	Description
Foundation	1,500 gal.	399.59	4"	Building sewer invert
		398.75	4"	Septic tank inlet invert
		398.46	4"	Septic tank outlet invert
Septic Tank	DB-5	398.27	4"	D-box inlet invert
		398.10	4"	D-box outlet invert
		398.10	4"	D-box outlet invert
New Trenches				
Pipe Model	Trench #	Beg. Invert	End Invert	Bottom End Elev.
Schedule 40 PVC	1	397.93	397.63	396.63
	2	396.93	396.63	395.63
	3	396.93	396.63	397.13

* For top and bottom elevations of the beginning of each trench see cross section A-A

ZONING DISTRICT: R-40 (Flexible Development)

	Required	Existing	Proposed
Lot Area	12,500 s.f.	29,482 s.f.	29,482 s.f.
Frontage	80' min	50.85'	50.85'
Front Yard	**20' min	174.1'	174.1'
Side Yard	7' min.	29.3' / 38.5'	29.3' / 14.6'
Rear Yard	15' min.	39.7'	34.6'
Coverage	30%	9.5%	13.3%

*50' minimum on a cul-de-sac
**or where the lot is at least 80' wide
Note: The property is not located within the Water Supply Protection Overlay



Locus Map
scale 1"=500'
from MassGIS layers approximate

EXISTING DESIGN FLOW CALCULATION:

Type of facility: Single family residence
Number of bedrooms: 3
Daily flow rate: 110 gpd/bedroom
Design flow: 330 gpd

EXISTING LEACHING AREA CALCULATION:

Soil class: Class 1
Percolation rate: 2 min/inch
Effluent loading rate: 0.74 gpd/ft²
Required leaching area: 330 gpd / 0.74 gpd/ft² = 446 s.f.

Leaching area / Foot of trench = (2'(1') H + 3' W) = 5 s.f. / ft.
Length of existing trenches = 45 ft

Area provided: 2'(5 s.f. / ft. * 45 ft.) = 450 s.f.

EXISTING SEPTIC TANK:

2'(330 gpd)= 660 gallons
Existing septic tank: 1,500 gallon, 2 compartment with a MicroFAST 0.5

EXPANSION DESIGN FLOW CALCULATION:

Type of facility: Single family residence
Number of bedrooms: (9 rooms) / 2 = 4 (per Title V 15.002)
Daily flow rate: 110 gpd/bedroom
Design flow: 440 gpd

EXPANSION LEACHING AREA CALCULATION:

Soil class: Class 1
Percolation rate: 2 min/inch
Effluent loading rate: 0.74 gpd/ft²
Required leaching area: 440 gpd / 0.74 gpd/ft² = 595 s.f.

Leaching area / Foot of trench = (2'(1') H + 3' W) = 5 s.f. / ft.
Length of proposed trenches = 60 ft

Area provided: 2'(5 s.f. / ft. * 60 ft.) = 600 s.f.

EXISTING SEPTIC TANK:

2'(440 gpd)= 880 gallons
Existing septic tank: 1,500 gallon, 2 compartment with a MicroFAST 0.5

General Septic Design Notes

- All elevations refer to assumed NAVD 88. See plan for benchmark locations.
- All construction shall conform to 310 CMR 15.00, Title 5.
- This plan does not warrant or imply any subsurface soil conditions other than those observed at the immediate test pit locations. If unsuitable material is encountered, all construction shall cease, and the design engineer shall be contacted immediately.
- Septic Tank and Distribution Box shall be set level and true to grade on a mechanically compacted stable base of 6" of 3/4" stone.
- Areas disturbed during construction shall be stabilized to minimize erosion and control sedimentation. The area over the system shall be graded to a minimum of 2% slope to provide positive surface drainage. Place 4" Loam and seed all disturbed areas of the project not otherwise improved.
- This plan shall not be used for the reproduction of property lines, nor shall it be used as a mortgage plot plan or title survey. Conformance to local bylaws shall be determined by the owner prior to construction.
- For proper performance, the septic tank should be pumped on an as needed basis, but in no event shall the septic tank be pumped less than every two years.
- Any alterations must be reported to the design engineer prior to proceeding with construction.
- The system must be inspected by the Board of Health or its agent and be certified by the design engineer.
- Conservation Commission approval is not required.
- See 310 CMR 15.255 for fill specifications. See 310 CMR 15.247 for aggregate specifications.
- All system components shall be marked with magnetic marking tape.
- All trenches for utilities to be backfilled and compacted with granular materials free of rocks larger than 2".
- All known wells located within 150' of the proposed well have been shown on the plan.
- All underground utility locations shown are based on field evidence and records provided to Land Planning, Inc. These locations should be considered approximate. Other utilities may exist which are not evident or for which record information was not found. The contractor must contact all utility companies and "Dig Safe" (888-DIG-SAFE) before excavation begins. We assume no responsibility for damages incurred as a result of utilities omitted or inaccurately shown.
- It is the responsibility of the contractor to review all of the drawings and specifications associated with this project work and project scope prior to the initiation of construction. Should the contractor find a conflict with the documents, relative to the specifications or applicable codes, it is the contractor's responsibility to notify the project engineer of record in writing prior to the start of construction. Failure by the contractor to notify the project engineer shall constitute acceptance of full responsibility by the contractor to complete the scope of work as defined by the drawings and in full conformance with local regulations and codes.
- Contractor is responsible for all excavation to be performed in accordance with current O.S.H.A. standards, as well as additional provisions to assure stability of contiguous structures, as field conditions dictate.
- Construction of permanent structures upon the disposal system or the reserve area is prohibited.

Project Specific Notes

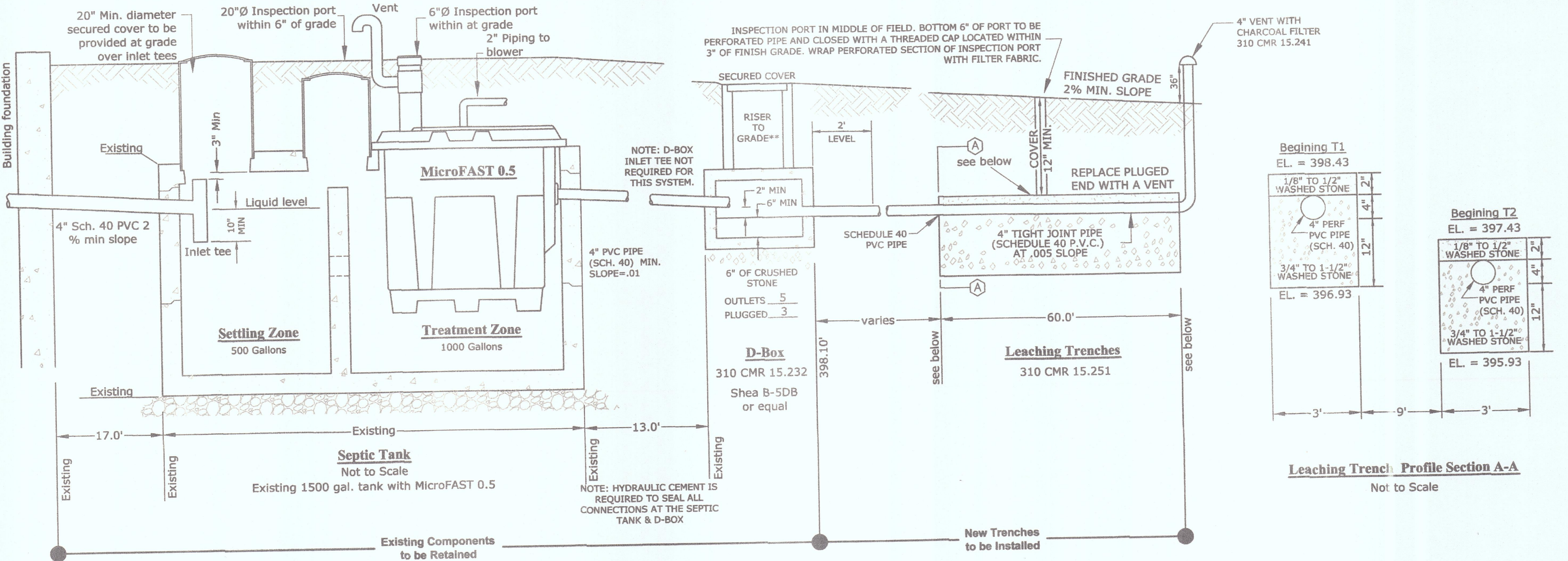
- Garbage disposal units are prohibited.
- All interior plumbing, with the exception of water filtration/softening/conditioning systems, and the backwash or byproducts of from such, shall discharge to the proposed septic system.
- All wetlands as defined by the Wetlands Protection Act are located within 100 feet of the projects limit of work.
- The proposed septic system is not located within a Zone II Approved Wetland Protection Area.
- All known wells located within 200 feet of the proposed system have been shown on the plan.
- All known septic systems within 150' of the proposed well have been shown on the plan.
- This lot is not located within a special flood hazard zone per FEMA Firm Map #25027C0834E dated 07/04 11
- The Parcel Lies in the R-40 zoning district.
- Regarding the Aggregate Loading Plan: This subdivision has 14 lots and totals a land area of 1,425,611.6 square feet (open space = 797,766.80 s.f. & Lots = 627,695 s.f.). Currently, the 14 lots have a total number of bedrooms of 51 and by allowing 2 bedrooms the average bedroom per land area will be one bedroom for every 27,412.7 s.f. of land area. This ratio is within the allowable nitrogen loading limit which is one bedroom per 10,000 s.f. of land area.
- The clients lawyer is to update the locus deed description and the recorded aggregate loading plan per Title V.

Designer Requirements

- Trench location to be staked in the field by Land Planning, Inc. prior to construction.
- Land Planning, Inc. to be contacted to perform a bottom inspection once trench area and 5' over dig are excavated.
- Any changes to the layout of the septic design must be brought to the attention of Land Planning, Inc. for approval.
- After all components are installed and before the system is back filled Land Planning, Inc. is to be contacted to perform a septic system asbuilt to verify the system components are installed correctly.
- Land Planning, Inc. to receive a copy of the Title Five sand certification.
- Once system is backfilled and final grading is complete Land Planning, Inc. is to be contacted to perform a final grading asbuilt.
- Installer assumes full responsibility for the septic system if these 'Designer Requirements' are not complied with.

Additional Notes

- A sign constructed of durable material shall be placed at the sewer clean out in the basement to indicate to the owner that the septic tank is as-built as well as basic information relative to the maintenance of the system. Also, the as built plan shall show tie distances to the effluent tee to two permanent markers, both the sign and maintenance information
- Contractor to install at least one required inspection port in the sas.
- Contractor to install a required magnetic tape over all system components.
- The 5' overdig is required for this site.
- All interior plumbing, with the exception of water from such, shall be connected to the proposed disposal facility.
- Filtration/softening/conditioning systems, and the back wash or byproducts are prohibited.
- Vent pipe must have charcoal filter.
- Filter fabric must be placed on top of pea stone (see grafted supplemental requirement) system.
- There are no public water supplies within 400' of this proposed septic
- Install risers and covers to grade for outlet and d-box.



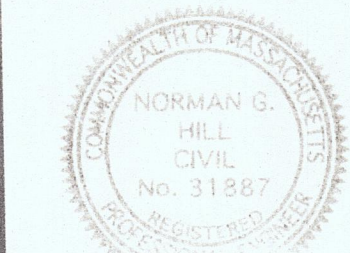
On-Site Sewage Disposal System Expansion

for
New Construction of a Single Family Addition with 4 bedrooms

Located at
#11 Putnam Lane
Grafton, MA
Assessors Map 59 Parcel 55
Deed Book 52540 Page 290

Owned By
Suzanne C. Gavin, Paul W. Susi & Kenneth A. Susi, Trustees of the Paul L. Susi & Janice T. Susi Irrevocable Trust

Applicant
Paul L. Susi & Janice T. Susi
11 Putnam Lane
Grafton, MA 01519



Norman G. Hill, P.E. Date: 5-16-19
Norman G. Hill, PE #31887

REVISIONS			
No.	Date	Design	Checked
1			
2			
3			
4			

Field By: SB/JL 4/17/18
Designed By: SB 5/10/19
Drawn By: SB 5/10/19
Checked By: NGH 5/15/19

Land Planning, Inc.
Civil Engineers • Land Surveyors
Environmental Consultants

Bellingham
167 Hartford Ave.
Bellingham, MA 02019
508-966-4130

North Grafton
214 Worcester St.
N. Grafton, MA 01536
508-839-9526

Hanson
1115 Main Street
Hanson, MA 02341
781-294-4144
www.landplanninginc.com